Data Analysis & Representation   **Name:** _____

Open your bag of M&M's
and record the number of
each color in the table below.

Part I: Create a bar graph that represents your M&M data.

color	number	%
brown		
yellow		
blue		
orange		
green		
red		
Total		

Part II: Create a circle graph of your M&M graph.

Part III: Record the M&M data of five people in the table below.

color:	#1	#2	#3	#4	#5
brown					
yellow					
blue					
orange					
green					
red					
Total					

Next, choose two colors above and calculate the mean number of each found in the M&M bags. Show your work below:

Use the strips below to create a data "chain" by coloring one box per M&M. For example, if you have 5 yellow M&M's, color 5 yellow boxes. Make sure the boxes connect. Then, when all your M&M's have been recorded, cut the strip out and form a circle with it.

Part IV: Select one color from the data table in Part III. Compute the following.

1. Find the median of the data. _____

2. Find the mode of the data. _____

3. Find the range of the data. _____

4. Find the mean number of total M&M's in a bag. _____

Part V: Create a Box-and Whisker Plot for one of the colors from Part III.

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Part VI: Write a paragraph that compares and contrasts the data you gathered from Part III.

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